

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 08/02/2022 09:02 AM
Cytometer Baseline: 06/07/2022 10:19 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 10398 **Expiration Date:** 01/31/2023
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123685	-2	1.78	123591	1.77
Blue	F	SSC	125000	122915	-2	3.67	123602	3.63
Blue	E	FITC	15860	15346	-4	2.50	374	13.48
Blue	D	PE	27718	27406	-2	1.95	638	9.88
Blue	B	PerCP-Cy5-5	38046	37314	-2	3.12	1019	14.45
Blue	A	PE-Cy7	26092	25858	-1	4.79	511	28.42
Red	C	APC	49104	48633	-1	2.67	1704	11.17
Red	A	APC-Cy7	28201	27465	-3	3.05	727	12.11
Violet	B	V450	9904	9351	-6	3.50	522	11.93
Violet	A	V500	39004	37597	-4	3.10	986	8.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23522	2.00	559	-10	N/A	N/A	Pass
Blue	F	SSC	54987	2.17	515	-13	N/A	N/A	Pass
Blue	E	FITC	58	54.24	486	-5	0.0494	93	Pass
Blue	D	PE	123	35.79	491	-5	0.4435	254	Pass
Blue	B	PerCP-Cy5-5	140	41.93	581	-8	0.0210	34	Pass
Blue	A	PE-Cy7	68	83.40	622	-10	0.0250	0	Pass
Red	C	APC	326	26.42	579	-2	0.0299	195	Pass
Red	A	APC-Cy7	97	41.59	550	-5	0.0064	1080	Pass
Violet	B	V450	85	49.42	455	-3	0.0484	1802	Pass
Violet	A	V500	123	34.00	467	-2	0.0265	1637	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-33.06	-32.84	1.14
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.42
Red	17.11	13.90 - 20.86	N/A	N/A	31.00	31.27	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 12782

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments